

Unisan Bianco

Dehumidifying, structural, reinforcing, white cement plaster



A composite mortar that is fibre-reinforced, consolidating, dehumidifying, white in colour and utilised for the structural restoration of crumbling old or monumental masonry. It contains no substances that are potentially harmful to masonry and is composed of hydraulic binders free from soluble salts, along with silicas with pozzolanic activity, selected siliceous-calcareous aggregates, specific shrinkage-reducing agents and alkaline-resistant READYMESH fibres that offer a high bending-traction effect and increase the fracture energy of the mortar. In conjunction with ARMAGLASS STRUCTURA fibreglass mesh, it is ideal for the structural restoration of old walls or crumbling constructions.

CUSTOMS CODE: 3824 5090

COMPONENTS: Single-component

APPEARANCE: Powder

AVAILABLE COLORS: White

PACKAGING AND DIMENSIONS: Bag 25 kg - Pallet: 50 x (Bag 25 kg)

OBTAINED CERTIFICATIONS AND REGULATIONS



FIELDS OF APPLICATION

Construction of plasters and reinforced slabs in interventions of restoration, construction of plaster and dehumidifying coatings with high performance, bedding of bricks and modular elements.

ALLOWED SUPPORTS

Bricks - Tuff - Mixed walls (bricks and stones) - Brickworks - Stone walls

PREPARATION OF SUPPORTS

The surfaces should be clean and free of any soiling, crumbling and non-adhering parts, dust, etc., conveniently saturated with water until they reach the condition of "saturated dry surface". In the case of structural reinforced slabs, you will need to proceed with applying an appropriate reinforcing electrowelded mesh, to be fixed with Repar Tix G2 or Grout Micro-J.

MODE OF USE

Pour about 2/3 of the mixing water into the mixer, add Unisan Bianco and the remaining water; continue to mix until a homogeneous lump-free mixture is obtained. The mixing water should be about 12-14% of the weight of the bag. After mixing is completed wait a few minutes before applying. Apply the product by plastering trowel and brick trowel, or preferably with plastering machine (type PFT model G4). Do not apply in case of direct exposure to sunlight or excessive ventilation. Cure the protection and the prolonged moist hardening, of exposed surfaces.

APPLICATION METHODS

Brick trowel - Finishing trowel - Plastering machine - Straight edge

TOOL CLEANING

Water

KEY FEATURES

-  Highlighted product
-  Maximum diameter of aggregate: 1.5 mm
-  Nonflammable
-  Shelf-life: 12 months
-  Use wearing protective gloves
-  Max. recommended thickness: 40 mm
-  Min. recommended thickness: 20 mm
-  Pot-life: 60 min
-  Temperature of use: +5 / +35 °C

TECHNICAL SPECIFICATIONS

UNI EN 1015-11
Compressive strength > **21 N/mm²**

UNI EN 1015-19
Breathability **11 μ**

pH > **12**

EN 13501-1
Reaction to fire **A1**

UNI EN 1015-6
Density **1640 kg/m³**

UNI EN 1015-11
Flexural strength > **4.6 N/mm²**

UNI EN 1015-12
Bonding force > **0.9 N/mm²**

EN 13412
Static elastic modulus **11000 N/mm²**

Water/binder ratio **0.45**

UNI EN 1015-18
Capillary absorption **0.14 kg•h^{0.5}/m²**

CONSUMPTION

Approximately 15 kg/m² of Unisan Bianco for every centimetre of thickness to be implemented (approximately 1500 kg per cubic metre).

STORAGE AND CONSERVATION

Store the product in its original packing, in a fresh and dry environment, avoiding frost and direct sunlight. Inadequate storage of the product may result in a loss of rheological performance. Protect from humidity.



PHOTO GALLERY



ADDITIONAL CONTENT



WARNINGS AND PRECAUTIONS

The general information, along with any instructions and recommendations for use of this product, including in this data sheet and eventually provided verbally or in writing, correspond to the present state of our scientific and practical knowledge. Any technical and performance data reported is the result of laboratory tests conducted in a controlled environment and thus may be subject to modification in relation to the actual conditions of implementation.

Azichem Srl does not assume any liability arising from inadequate characteristics related to improper use of the product or connected to defects arising from factors or elements unrelated to the quality of the product, including improper storage. Those wishing to utilise the product are required to determine prior to use whether or not the same is suitable for the intended use, assuming all consequent responsibility.

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